

KENTUCKY AGRI-NEWS



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THANK YOU KENTUCKY FARMERS AND AGRI-BUSINESSES FOR VOLUNTARILY PROVIDING BASIC AGRICULTURAL INFORMATION

2003 ANNUAL CROP SUMMARY

U.S. HIGHLIGHTS

Corn for grain production was estimated at 10.1 billion bushels, up 12 percent from the 9.01 billion bushels produced in 2002. The average yield was estimated at 142.2 bushels per acre, up 12.2 bushels from a year earlier. Both production and yield estimates were the largest on record.

Soybean production in 2003 was estimated at 2.42 billion bushels, down 12 percent from the 2002 crop. This was the lowest production level since 1996. The average yield per acre was estimated at 33.4 bushels, down 4.6 bushels from the 2002 final yield. This was the lowest yield since 1993.

The **Eight State Burley Belt** production totaled 298.1 million pounds, virtually unchanged from the 2002 estimate of 297.7 million pounds. Kentucky produced 68 percent of the Belt's production. Belt yield averaged 1,908 pounds per acre, up 31 pounds from the previous year.

KENTUCKY

Farmers had very good growing conditions in 2003. Production of soybeans and corn was very good with tobacco production mostly good. Planting of corn and setting of tobacco was halted and or slowed by excess moisture this spring. With adequate to surplus moisture during the growing season corn, soybeans and tobacco crops yielded good to excellent.

Production of **corn** was estimated at 148.0 million bushels, up 39 percent from the 2002 drought reduced crop. The crop got off to a rain delayed start with delayed planting but ended with close to record yields. Excellent growing conditions combined with a long favorable fall allowed corn plenty of time to reach full maturity. Yield was estimated at 137 bushels per acre, up 35 bushels from the previous year and the second highest yield on record. The record yield of 142 bushels occurred in 2001. Acreage harvested for grain averaged 1.08 million acres, up 40,000 acres from the 2002 crop.

Soybean production was estimated at 53.3 million bushels, an increase of 28 percent from last year's small crop and the

second largest crop on record. The largest crop, 54.0 million bushels, occurred in 1979. Yield per acre was estimated at 43 bushels per acre, an increase of 10.0 bushels from the 2002 crop and a record high yield. The previous high of 40 bushels occurred in 2001. Adequate to surplus moisture throughout the growing season resulted in good to excellent yielding soybeans. Late maturing soybeans suffered little from frost damage and double crop beans yielded good.

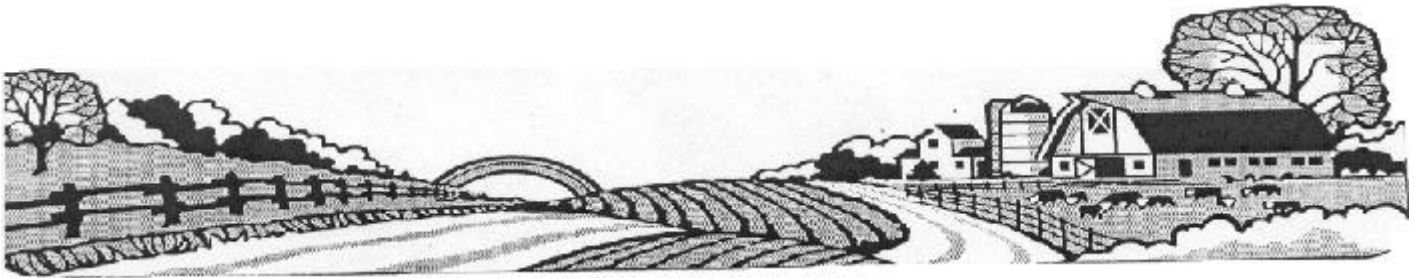
Burley tobacco production was estimated at 203.8 million pounds, up 3 percent from the previous year. The larger production resulted from an increase in both yield per acre and harvested acreage. A wet spring delayed setting on many farms. Good soil moisture conditions during the summer resulted in a good crop that was shorter in height crop with fewer leaves per plant. Curing conditions were generally favorable last fall. The crop going into the barn was heavy with much of the weight being water lost during curing. Yield was estimated at 1,960 pounds per acre, up 45 pounds from the previous year. Harvested acreage was estimated at 104,000 acres, up 1,000 acres from 2002. Production of **Kentucky Dark Fired and Dark Air** Types 22, 35 and 36 were up from 2002 while Type 23 was down.

Moisture conditions favored hay production while a wet spring delayed harvesting and hurt harvested quality. **Alfalfa hay** production was estimated 875,000 tons, down 25,000 tons from the previous year. Yield per acre was estimated at 3.5 tons per acre, up .50 ton from a year earlier. Harvested acreage was estimated at 250,000 acres, down 50,000 acres from a year earlier. **Alfalfa seeded** acreage was estimated at 35,000 acres. **Other hay** production was estimated at 5.50 million tons, up 19 percent from the 2002 crop and a record high production. The previous record was 5.28 million tons in 2000. The record crop resulted from a record high yield and record tying harvested acreage. Yield per acre was estimated at 2.50 ton per acre, up .30 ton from the previous year. The previous high was 2.40 tons in 2000. Harvested acreage was 2.20 million acres, up 100,000 acres from the 2002 crop. Going into winter farmers had good hay supplies.

ANNUAL CROP SUMMARY 2002-2003
HARVESTED ACREAGE, YIELD, AND PRODUCTION, KENTUCKY AND UNITED STATES

CROPS	UNIT	ACREAGE HARVESTED		YIELD PER ACRE		PRODUCTION		
		2002	2003	2002	2003	2002	2003	'03 % of '02
		(Thousand)				(Thousand)		
KENTUCKY								
Corn for Grain	Bu	1,040	1,080	102.0	137.0	106,080	147,960	139
Soybeans for Beans	Bu	1,260	1,240	33.0	43.0	41,580	53,320	128
All Wheat	Bu	340	330	53.0	62.0	18,020	20,460	114
Barley	Bu	8	8	64.0	75.0	512	600	117
Sorghum for Grain	Bu	11	32	75.0	95.0	825	3,040	368
Hay:								
All	Ton	2,400	2,450	2.30	2.60	5,520	6,375	115
Alfalfa	Ton	300	250	3.00	3.50	900	875	97
All Other	Ton	2,100	2,200	2.20	2.50	4,620	5,500	119
Tobacco:								
All	Lbs	111.10	112.30	2,007	2,047	222,991	229,840	103
Burley	Lbs	103.00	104.00	1,915	1,960	197,245	203,840	103
Type 22 E. Fired	Lbs	2.45	2.50	3,160	3,200	7,742	8,000	103
Type 23 W. Fired	Lbs	2.40	2.40	3,650	3,500	8,760	8,400	96
Type 35 One Sucker	Lbs	2.10	2.20	3,000	3,000	6,300	6,600	105
Type 36 Green River	Lbs	1.15	1.20	2,560	2,500	2,944	3,000	102
UNITED STATES								
Corn for Grain	Bu	69,313	71,139	130.0	142.2	9,007,659	10,113,887	112
Soybeans for Beans	Bu	72,437 <u>1/</u>	72,321	38.0 <u>1/</u>	33.4	2,749,340 <u>1/</u>	2,417,565	88
All Wheat	Bu	45,917 <u>1/</u>	52,839	35.3	44.2	1,619,001 <u>1/</u>	2,336,526	144
Barley	Bu	4,129 <u>1/</u>	4,688	54.9	58.9	226,573 <u>1/</u>	276,087	122
Sorghum for Grain	Bu	7,299	7,798	50.7	52.7	369,758	411,237	111
Hay:								
All	Ton	64,497	63,342	2.34	2.48	150,962	157,123	104
Alfalfa	Ton	23,135	23,578	3.19	3.24	73,824	76,307	103
All Other	Ton	41,362	39,764	1.86	2.03	77,138	80,816	105
Tobacco:								
All	Lbs	428.71 <u>1/</u>	416.21	2,049 <u>1/</u>	1,997	878,592 <u>1/</u>	831,204	95
Burley	Lbs	158.60	156.20	1,877 <u>1/</u>	1,908	297,711 <u>1/</u>	298,105	100
Type 22 E. Fired	Lbs	7.45	7.70	3,126	3,065	23,292	23,600	101
Type 23 W. Fired	Lbs	2.79	2.80	3,636	3,471	10,145	9,720	96
Type 35 One Sucker	Lbs	2.61	2.74	2,922	2,901	7,626	7,950	104
Type 36 Green River	Lbs	1.15	1.20	2,560	2,500	2,944	3,000	102

1/ Revised.



PLANTED ACREAGE, KENTUCKY & UNITED STATES

CROPS	KENTUCKY			UNITED STATES		
	2002	2003	2003 % of 2002	2002	2003	2003 % of 2002
(Thousand Acres)				(Thousand Acres)		
Corn, All	1,130	1,170	104	79,054	78,736	100
Soybeans	1,290	1,250	97	73,923 <u>2/</u>	73,404	99
All Wheat <u>1/</u>	550	480	87	60,468 <u>2/</u>	61,700	102
Barley <u>1/</u>	10	9	90	5,071 <u>2/</u>	5,299	104
All Sorghum	12	33	275	9,580	9,420	98

1/ Includes acreage planted preceding fall. 2/ Revised.

CORN STOCKS UP FROM LAST YEAR

Kentucky corn stocks totaled 89.0 million bushels on December 1, 2003. This was up 10.2 million bushels from last year's five year stocks low of 78.8 million bushels. Corn stored off-farms totaled 24.0 million bushels, up 1.24 million bushels from December 2002. Off-farm stocks include grain stored at mills, elevators, warehouses, terminals and processors. On-farm stocks totaled 65.0 million bushels and were up 9.00 million bushels from December 2002.

Only off-farm soybean and wheat stocks were estimated for Kentucky. **Soybean** stocks totaled 11.7 million bushels, an increase of 2.39 million bushels from the previous year and the highest December stocks since 1997. **All wheat** stocks were estimated at 6.03 million bushels, up 30 percent from December 2002.

U.S. corn stocks in all positions on December 1, 2003 totaled 7.94 billion bushels, up 4 percent from December 1, 2002. Of the total stocks, 5.29 billion bushels were stored on farms, up 10 percent from a year earlier. Off-farm stocks, at 2.66 billion bushels, were down 6 percent from the previous year. **Soybeans** stored in all positions on December 1, 2003 totaled 1.69 billion bushels, down 20 percent from December 1, 2002. On-farm stocks totaled 820.0 million bushels, down 30 percent from a year earlier. Off-farm stocks, at 866.4 million bushels, were down 8 percent from the previous year. **All wheat** stored in all positions on December 1, 2003 totaled 1.52 billion bushels, up 15 percent from a year ago. On-farm stocks were estimated at 491.9 million bushels, up 28 percent from last year. Off-farm stocks, at 1.03 billion bushels, were up 10 percent from a year earlier.

KENTUCKY AND UNITED STATES STOCKS OF GRAIN, DECEMBER 1, 2003 WITH COMPARISONS

CROP	POSITION	KENTUCKY			UNITED STATES		
		Dec. 1 2002	Sept. 1 2003	Dec. 1 2003	Dec. 1 2002	Sept. 1 2003	Dec.1 2003
(Thousand Bushels)							
Corn	On-Farm	56,000	2,500	65,000	4,800,000	484,900	5,286,000
	Off-Farm <u>1/</u>	22,760	3,810	23,997	2,837,971	601,773 <u>5/</u>	2,658,779
	Total	78,760	6,310	88,997	7,637,971	1,086,673 <u>5/</u>	7,944,779
Sorghum	On-Farm	<u>2/</u>	<u>2/</u>	<u>2/</u>	53,600	4,500	45,200
	Off- Farm <u>1/</u>	<u>4/</u>	<u>4/</u>	<u>4/</u>	178,252	38,530 <u>5/</u>	188,507
	Total	<u>2/</u>	<u>2/</u>	<u>2/</u>	231,852	43,030 <u>5/</u>	233,707
Oats	On-Farm	<u>3/</u>	<u>3/</u>	<u>3/</u>	52,500	82,100	64,300
	Off-Farm <u>1/</u>	163	165	<u>4/</u>	51,284	49,637 <u>5/</u>	54,918
	Total	163	165	<u>4/</u>	103,784	131,737 <u>5/</u>	119,218
Barley	On-Farm	<u>2/</u>	<u>2/</u>	<u>2/</u>	83,400	141,900 <u>5/</u>	97,200
	Off-Farm <u>1/</u>	<u>4/</u>	<u>4/</u>	<u>4/</u>	86,601	99,730 <u>5/</u>	100,684
	Total	<u>2/</u>	<u>2/</u>	<u>2/</u>	170,001	241,630 <u>5/</u>	197,884
All Wheat	On-Farm	<u>2/</u>	<u>2/</u>	<u>2/</u>	384,800	687,320 <u>5/</u>	491,925
	Off-Farm <u>1/</u>	4,628	8,162	6,034	935,069	1,351,652 <u>5/</u>	1,029,159
	Total	<u>2/</u>	<u>2/</u>	<u>2/</u>	1,319,869	2,038,972 <u>5/</u>	1,521,084
Soybeans	On-Farm	<u>2/</u>	<u>2/</u>	<u>2/</u>	1,170,000	58,000	820,000
	Off-Farm <u>1/</u>	9,292	<u>4/</u>	11,683	943,373 <u>5/</u>	120,329 <u>5/</u>	866,381
	Total	<u>2/</u>	<u>2/</u>	<u>2/</u>	2,113,373 <u>5/</u>	178,329 <u>5/</u>	1,686,381

^{1/} Includes stocks at mills, elevators, warehouses, terminals and processors. ^{2/} Kentucky is a minor State, not published separately. ^{3/} On-Farm oats stock estimates not made. ^{4/} Not published to avoid disclosure of individual operations. ^{5/} Revised.

GRAIN STORAGE CAPACITY

Off-farm commercial grain storage capacity for **Kentucky** totaled 62.5 million bushels on December 1, 2003, up 2 percent from the previous year. There were 200 facilities storing grain. **On-farm** storage capacity totaled 160.0 million bushels, up 7 percent from 2002. Capacity includes all bins, cribs, sheds, and other structures normally used to store whole grains or oilseeds located on farms.

U.S. off-farm commercial grain storage totaled 8.50 billion bushels on December 1, 2003, down fractionally from December 1, 2002. Facilities numbered 9,796. Illinois had the largest off-farm storage with 1.15 billion bushels, 14 percent of the Nation's total. **On-farm** grain storage capacity totaled 11.0 billion bushels, down 1 percent from December 1, 2002. Iowa had the largest on-farm storage with 1.65 billion bushels, 15 percent of the Nation's total.

OFF-FARM STORAGE CAPACITY, SELECTED STATES, DECEMBER 1, 2002 & 2003

STATE	Number of Off-Farm Facilities		Rated Off-Farm Storage Capacity	
	12-1-02	12-1-03	12-1-02	12-1-03
1,000 bushels				
Illinois	980	970	1,135,700	1,151,400
Indiana	420	415	367,100	364,400
KENTUCKY	200	200	61,500	62,500
Missouri	402	396	222,300	219,200
Ohio	454	448	357,090	359,320
Tennessee	202	204	57,333	58,415
UNITED STATES	9,516 ^{1/}	9,796	8,506,104 ^{1/}	8,498,523

Off-farm capacity data includes all elevators, warehouses, terminals, merchant mills, other storage and oilseed crushers which store grains, soybeans, sunflowers, or flaxseed.

^{1/} Revised.

KENTUCKY WINTER WHEAT SEEDING UNCHANGED

Kentucky farmers seeded 480,000 acres to **winter wheat** in the fall of 2003 for the 2004 crop. This was unchanged from the 2003 crop. In addition to acreage harvested for grain, sowed acreage is also used as a green cover crop prior to setting tobacco and cut as hay and silage for livestock feed. Rains provided good germination this past fall. Wet soil conditions delayed sowing by some farmers and limited the expected increase in winter wheat seeded for grain harvest. The wheat crop going into winter was in good condition.

U.S. winter wheat seeded area for 2004 was expected to total 43.5 million acres, down 3 percent from 2003. Seeding began last August and advanced ahead of the 5-year average pace throughout the fall. Nearly all of the U.S. acreage was seeded by December 1. Most remaining intended acres were in the Southeast and California. Seeding should finish sometime next month in California. Hard Red Winter wheat seeded acres was about 31.0 million acres, down 4 percent from 2003. Kentucky seeds hard red winter wheat. Reduced soil moisture in numerous states lowered germination rates. Kansas still remains the Nation's leading winter wheat state with 9.90 million acres. Oklahoma was second with 6.40 million acres and Texas was third with 6.20 million acres.

WINTER WHEAT SEEDED ACREAGE SELECTED STATES & U.S., 2003-2004

State	Acreage Seeded ^{1/}		
	2003 Crop	2004 Crop	2004 % of 2003
(1,000)			
Illinois	850 ^{2/}	1,000	118
Indiana	460 ^{2/}	430	93
Kansas	10,400 ^{2/}	9,900	95
KENTUCKY	480 ^{2/}	480	100
Missouri	960 ^{2/}	1,050	109
Ohio	1,060 ^{2/}	900	85
Oklahoma	6,600 ^{2/}	6,400	97
Tennessee	430 ^{2/}	400	93
Texas	6,600	6,200	94
U. S.	44,945 ^{2/}	43,464	97

^{1/}Total acreage seeded for all purposes. ^{2/}Revised.

U.S. DAIRY PRODUCTS, NOVEMBER 2003

PRODUCT	November 2002	October 2003 ^{1/}	November 2003	Percent of	
				Nov. 2002	Oct. 2003
(000) Pounds					
BUTTER	103,932	97,040	88,120	85	91
CHEESE					
American Types ^{2/}	294,363	304,497	293,545	100	96
Mozzarella	234,783	233,677	232,788	99	100
All Other Types ^{3/}	92,366	106,154	103,773	112	98
Total	725,444	741,368	718,226	99	97
(000) Gallons					
FROZEN PRODUCTS					
Ice Cream (Hard)	57,374	68,751	58,131	101	85
Frozen Yogurt (Total)	4,937	4,879	4,287	87	88
MIX FOR FROZEN PRODUCTS					
Ice Cream Mix	33,998	40,292	33,415	98	83
Yogurt Mix	2,933	2,870	2,522	86	88

^{1/}Revised. ^{2/} Includes Cheddar, Colby, Monterey, and Jack. ^{3/}Includes Swiss, cream and all other types. Excludes cottage cheese.

Internet Access: Kentucky Agricultural Statistics Service (KASS) data including this report are available free of charge on our Internet homepage located at <http://www.nass.usda.gov/ky>. Links to the Kentucky Department of Agriculture, the University of Kentucky Agricultural Weather Center and other web sites related to Kentucky Agriculture are also included. National & State reports and data are available on the National Agricultural Statistics Service (NASS) homepage located at <http://www.usda.gov/nass/>